

### **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application.

#### **Listing of Claims**

1. (Previously Presented) A method for data connections in a cellular mobile communication network having at least one core network and at least one access network, said method comprising the steps of:

receiving a connection request in a first control node of the core network from a first access network;

transferring of a call control from the first control node to a gateway control node interacting with a home location register that manages subscriber data of a called party;

fetching of routing information by the gateway control node from said home location register;

transferring of the call control from the gateway control node to a control node that controls the access network serving the called party;

seizing first payload transmission resources by the first control node;

seizing second payload transmission resources by the control node controlling the access network serving the called party;

calculating parameter values describing possible payload connections between the core network and the access networks, as defined by the seized first and second payload transmission resources;

comparing parameter values describing possible payload connections between the core network and the first access network, with parameter values of possible payload connections between the core network and the access network serving the called party;

selecting a transcoding technique and a data rate of the payload in the respective payload transmission resources, according to the results of the comparison; and

setting up and through-connecting the selected payload transmission resources.

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2. (Canceled)

3. (Original) Method according to claim 1 including changing a payload transmission and executing a further comparison and selection.

4. (Original) Method according to claim 1, including the step wherein at least one transmission converter is linked in for the payload transmission.

5. (Original) Method according to claim 1, wherein an interworking function is linked in for the payload transmission.

6. (Original) Method according to claim 1, including sending a calling party identification, as part of the call control handover between the control nodes.

7. (Original) Method according to claim 1, including the step of sending an identification of the first control node as part of each call control handover between control nodes that occurs after the call control has been handed over to the gateway control node.

8. (Original) Method according to claim 1, including the step of performing comparison and selection of transcodings and rate adaptations after the called party accepts the connection.

9. (Original) Method according to claim 1, wherein at least two of said control nodes are identical.

10. (Original) Method according to claim 1, wherein the access networks are identical.

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11. (Original) Method according to claim 1, wherein the method is performed in a Universal Mobile Telephone System (UMTS) or a Global System for Mobile Communication (GSM) network.

12-13. (Canceled)

14. (Original) A cellular communication network, comprising a first access network, a second access network and a core network, performing a method for the set up of data connections according to claim 1.

15. (Original) A computer program stored on computer readable medium or in a computer memory that can execute a method according to claim 1.

16. (Canceled)

17. (New) A core network control node for a cellular communication network having at least one core network and at least one access network, said core network control node comprising:

means for receiving a connection request from a first access network;

means for seizing first payload transmission resources between the core network and the first access network;

means for transferring call control functions from the core network control node to a gateway control node that fetches routing information for a called party from a home location register, and transfers the call control functions to an access network control node that controls a second access network that serves the called party, wherein the access network control node seizes second payload transmission resources between the core network and the second access network;

a connection calculation unit that calculates parameter values describing possible payload connections between the core network and the first access network, as defined by the seized first payload transmission resources;

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a parameter comparison unit that compares the calculated parameter values with parameter values received from the access network control node; and

a processing unit for handling input and output of parameter values, seizure of payload transmission resources, and setup and through-connection of a payload connection.